

Resource Summary Report

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B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J

RRID:IMSR_JAX:016959

Type: Organism

Proper Citation

RRID:IMSR_JAX:016959

Organism Information

URL: <https://www.jax.org/strain/016959>

Proper Citation: RRID:IMSR_JAX:016959

Description: Mus musculus with name B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J from IMSR.

Species: Mus musculus

Synonyms: B6.129(Cg)-Foxp3/J

Notes: gene symbol note: |forkhead box P3; mutant strain|congenic strain: |Foxp3

Affected Gene: |forkhead box P3

Genomic Alteration: targeted mutation 4; Alexander Y Rudensky

Catalog Number: JAX:016959

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260725T044439+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J.

No alerts have been found for B6.129(Cg)-Foxp3^{tm4}(YFP/icle)Ayr/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 113 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Roy S, et al. (2025) BLIMP1 negatively regulates IL-2 signaling in T cells. Science advances, 11(29), eadx8105.

Wang K, et al. (2025) ATF4 drives regulatory T cell functional specification in homeostasis and obesity. Science immunology, 10(105), eadp7193.

Lanzar ZR, et al. (2025) IL-27 promotes Treg cell expression of CD122 and fitness at homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 122(50), e2519141122.

Janssen E, et al. (2025) DOCK8 in T cells promotes Th17 and Treg cell functionality to restrain mucosal mast cells and limit susceptibility to oral anaphylaxis. Immunity, 58(7), 1794.

Martinez F, et al. (2025) Follicular regulatory T cells promote experimental autoimmune encephalomyelitis by supporting B cell egress from germinal centers. Science translational medicine, 17(813), eady1268.

Lambert F, et al. (2025) Antibody-mediated TGF- β 1 activation for the treatment of diseases caused by deleterious T cell activity. Cell reports, 44(8), 116061.

Lemarquis AL, et al. (2025) Recirculating regulatory T cells mediate thymic regeneration through amphiregulin following damage. Immunity, 58(2), 397.

Suzuki K, et al. (2025) Loss of TET function in T regulatory cells yields ex-Treg cells biased toward T follicular helper cells, causing autoimmune diseases through autoantibody production. bioRxiv : the preprint server for biology.

Benamar M, et al. (2025) Notch3 destabilizes regulatory T cells to drive autoimmune neuroinflammation in multiple sclerosis. Immunity, 58(11), 2753.

Kandasamy M, et al. (2025) Glycogen synthase kinase-3 is essential for Treg development and function. Cell reports, 44(9), 116256.

Cho HS, et al. (2025) Structure of gut microbial glycolipid modulates host inflammatory response. Cell.

Benmebarek MR, et al. (2025) Anti-vascular endothelial growth factor treatment potentiates immune checkpoint blockade through a BAFF- and IL-12-dependent

reprogramming of the TME. *Immunity*, 58(4), 926.

Elkins C, et al. (2025) Obesity reshapes regulatory T cells in the visceral adipose tissue by disrupting cellular cholesterol homeostasis. *Science immunology*, 10(103), eadl4909.

Lai X, et al. (2025) Targeting DAP5 Disrupts Alternate Mode of Translational Initiation in Tregs and Potentiates Antitumor Immunity. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e20625.

Fahlquist-Hagert C, et al. (2024) T-follicular regulatory cells expand to control germinal center plasma cell output but fail to curb autoreactivity. *iScience*, 27(10), 110887.

Yan J, et al. (2024) Inherent preference for polyunsaturated fatty acids instigates ferroptosis of Treg cells that aggravates high-fat-diet-related colitis. *Cell reports*, 43(8), 114636.

Ma R, et al. (2024) Vimentin modulates regulatory T cell receptor-ligand interactions at distal pole complex, leading to dysregulated host response to viral pneumonia. *Cell reports*, 43(12), 115056.

Peeters JGC, et al. (2024) Hyperactivating EZH2 to augment H3K27me3 levels in regulatory T cells enhances immune suppression by driving early effector differentiation. *Cell reports*, 43(9), 114724.

Ding R, et al. (2024) Lactate modulates RNA splicing to promote CTLA-4 expression in tumor-infiltrating regulatory T cells. *Immunity*, 57(3), 528.

Li X, et al. (2024) Deficiency of CBL and CBLB ubiquitin ligases leads to hyper T follicular helper cell responses and lupus by reducing BCL6 degradation. *Immunity*, 57(7), 1603.